

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

..(PCT Article 36 and Rule 70)

Rec'd PCT/52928 MAR 2005

PCT/EP2003/012805



Applicant's or agent's file reference 2002P14375WO	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/EP2003/012805	International filing date (day/month/year) 17 novembre 2003 (17.11.2003)	Priority date (day/month/year) 22 novembre 2002 (22.11.2002)
International Patent Classification (IPC) or national classification and IPC B60C 23/04, G01P 13/04		
Applicant SIEMENS VDO AUTOMOTIVE		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 5 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 18 juin 2004 (18.06.2004)	Date of completion of this report 30 December 2004 (30.12.2004)
Name and mailing address of the IPEA/EP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP2003/012805

I. Basis of the report

1. With regard to the elements of the international application:*

- ☐ the international application as originally filed
- ☒ the description:
pages _____ 1-7 _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the claims:
pages _____ 1-10 _____, as originally filed
pages _____, as amended (together with any statement under Article 19
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☒ the drawings:
pages _____ 1/1 _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____
- ☐ the sequence listing part of the description:
pages _____, as originally filed
pages _____, filed with the demand
pages _____, filed with the letter of _____

2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages _____
- ☐ the claims, Nos. _____
- ☐ the drawings, sheets/fig _____

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 03/12805

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-10	YES
	Claims		NO
Inventive step (IS)	Claims	1-10	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-10	YES
	Claims		NO

2. Citations and explanations

Reference is made to the following document:

D1: US-B-6 204 7581

V.2.1 Independent claims 1 and 8**V.2.1.1 Novelty**

D1 describes a device (100, figures 9) and a method for detecting the position of a wheel (200) of a vehicle, in particular a vehicle provided with a system for monitoring the pressure of its tyres (100), comprising first and second means (902, 904) capable of measuring an acceleration in a direction (figures 3 to 5) having a component in a vertical plane (figures 4 and 5).

The subject matter of claim 1 differs from the prior art (D1) in that the components in the vertical plane of the measurement directions of the first and second measuring means have a separate angular offset of 0° and 180°.

Consequently, the present application complies with the criterion defined in PCT Article 33(2), since the subject matter of claims 1 and 8 is novel over the prior art, as defined in the regulations (PCT Rule 64(1) to (3)).

V.2.1.2 Inventive step

The problem that the present invention is intended to solve can be seen to be that of enabling the left-hand/right-hand location of a wheel to be determined independently, i.e. without needing to exchange information with the vehicle to be able to determine the position of the wheel.

However, the prior art currently included in the procedure neither discloses nor appears capable of suggesting the solution defined by the features of claims 1 and 8.

Consequently, said claims appear to involve an inventive step (PCT Article 33(3)).

V.2.1.3 Industrial applicability

The subject matter of claims 1 and 8 is considered to be industrially applicable in accordance with PCT Article 33(4), because the production and use thereof appears possible.

V.2.1.4 Dependent claims 2 to 7 and 9 to 10

Since they are dependent on claims 1 and 8 and contain alterations or improvements to the invention according to claims 1 and 8, claims 2 to 7 and 9 to 10 appear to meet the requirements of PCT Articles 33(2) to 33(4).